

Finisar FTL4S1QE2C Datasheet



II-VI Finisar FTL4S1QE2C 40GE 300m SWDM4 Gen2 QSFP+ Optical Transceiver

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FTL4S1QE2C QSFP+ transceiver modules are designed for use in 40 Gigabit Ethernet links over duplex multimode fiber. They are compliant with the QSFP+ MSA and IEEE 802.3ba XLPPPI electrical interface. Digital diagnostics functions are available via an I2C interface, as specified by the QSFP+ MSA. The optical transceiver is RoHS compliant as described in Application Note AN-2038.

Features

- Hot-pluggable QSFP+ form factor
- 300m operation over duplex OM3 MMF and 400m over duplex OM4 MMF
- Supports 41.2 Gb/s aggregate bit rates
- Uncooled 4×10 Gb/s SWDM transmitter
- Built-in SWDM mux and demux
- Power dissipation < 3.5W
- Commercial case temperature range: 0°C to 70°C
- XLPPPI electrical interface
- Duplex LC receptacles
- Built-in digital diagnostic functions, including Tx/Rx power monitoring

Applications

- 40G Ethernet over duplex MMF
- Allows upgrades from 10GBASE-SR without changing fiber plant

Specifications

- Distance: 300 m
- Data Rate (max): 41.2 Gb/s
- Protocol: 40G Ethernet Compliant
- Low End Case Temperature (°C): 0
- High End Case Temperature (°C): 70
- Diagnostics: Digital
- Transmitter: 4x SWDM VCSEL
- Receiver: PIN
- Voltage Supply: 3.3
- Connector: LC
- Wavelength: 850nm Band

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